RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/573,134_

Source: _1 FWP_

Date Processed by STIC: _4/6/06_

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: _10/573,134_   CRF Edit Date: _4/6/06_
                                Edited by: _hr_

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

_✓_ Deleted: _/_ invalid beginning/end-of-file text ; ___ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

_✓_ Other: _corrected prior application numeric identifiers_

_____

IFWP

RAW SEQUENCE LISTING   DATE: 04/06/2006
PATENT APPLICATION: US/10/573,134   TIME: 13:41:43

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\04062006\J573134.raw**

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 5 <110> APPLICANT: University Potsdam
 7 <120> TITLE OF INVENTION: Method for conducting non-invasive early detection of
 8       colon cancer and/or of colon cancer precursor cells
10 <130> FILE REFERENCE: P198903PC
12 <140> CURRENT APPLICATION NUMBER: US/10/573,134
12 <141> CURRENT FILING DATE: 2006-03-23
12 <150> PRIOR APPLICATION NUMBER: PCT/DE2004/002161
13 <151> PRIOR FILING DATE: 2004-09-23
15 <150> PRIOR APPLICATION NUMBER: DE 103 45 021.1
16 <151> PRIOR FILING DATE: 2003-09-23
18 <160> NUMBER OF SEQ ID NOS: 36
20 <170> SOFTWARE: PatentIn Ver. 2.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 21
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Description of the artificial sequence: primer
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31 ttgcagttat ggtcaatacc c                                              21
33 <210> SEQ ID NO: 2
34 <211> LENGTH: 25
35 <212> TYPE: DNA
36 <213> ORGANISM: Artificial sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Description of the artificial sequence: primer
41 <400> SEQUENCE: 2
42 gtgctctcag tataaacagg ataag                                          25
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 20
47 <212> TYPE: DNA
48 <213> ORGANISM: Artificial sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Description of the artificial sequence: primer
55 <400> SEQUENCE: 3
56 cctcaaaagg ctgccacttg                                                20
59 <210> SEQ ID NO: 4
60 <211> LENGTH: 23
61 <212> TYPE: DNA
62 <213> ORGANISM: Artificial sequence
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Description of the artificial sequence: primer
67 <400> SEQUENCE: 4
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Lines marked C--> 12 <140> and C--> 12 <141>

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71 <210> SEQ ID NO: 5
72 <211> LENGTH: 25
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Description of the artificial sequence: primer
79 <400> SEQUENCE: 5
80 agcaccctag aaccaaatcc agcag                                    25
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 20
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Description of the artificial sequence: primer
91 <400> SEQUENCE: 6
92 tggcatggtt tgtccagggc                                          20
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 22
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Description of the artificial sequence: primer
104 <400> SEQUENCE: 7
105 acaaaccatg ccaccaagca ga                                      22
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 24
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Description of the artificial sequence: primer
116 <400> SEQUENCE: 8
117 gagcactcag gctggatgaa caag                                    24
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 20
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Description of the artificial sequence: primer
128 <400> SEQUENCE: 9
129 ttccagatgc tgatacttta                                         20
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133 <211> LENGTH: 20
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Description of the artificial sequence: primer
140 <400> SEQUENCE: 10
141 ctgaatcatc taataggtcc                                         20
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144 <210> SEQ ID NO: 11
145 <211> LENGTH: 21
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Description of the artificial sequence: primer
153 <400> SEQUENCE: 11
154 ctggtggagt atttgatagt g                                  21
157 <210> SEQ ID NO: 12
158 <211> LENGTH: 21
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of the artificial sequence: primer
165 <400> SEQUENCE: 12
166 tctattgttg gatcatattc g                                  21
169 <210> SEQ ID NO: 13
170 <211> LENGTH: 20
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of the artificial sequence: primer
177 <400> SEQUENCE: 13
178 ctgatttgat ggagttggac                                    20
181 <210> SEQ ID NO: 14
182 <211> LENGTH: 20
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of the artificial sequence: primer
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194 <211> LENGTH: 19
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of the artificial sequence: primer
202 <400> SEQUENCE: 15
203 gaatcagctc catccaagt                                     19
206 <210> SEQ ID NO: 16
207 <211> LENGTH: 19
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of the artificial sequence: primer
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221 <213> ORGANISM: Artificial sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of the artificial sequence: primer
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230 <210> SEQ ID NO: 18
231 <211> LENGTH: 20
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Description of the artificial sequence: primer
238 <400> SEQUENCE: 18
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242 <210> SEQ ID NO: 19
243 <211> LENGTH: 21
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Description of the artificial sequence: primer s
250        for K-ras
252 <400> SEQUENCE: 19
253 ctggtggagt atttgatagt g                                      21
256 <210> SEQ ID NO: 20
257 <211> LENGTH: 21
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of the artificial sequence: primer as
263        for K-ras
265 <400> SEQUENCE: 20
266 tctattgttg gatcatattc g                                      21
269 <210> SEQ ID NO: 21
270 <211> LENGTH: 20
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Description of the artificial sequence: primer s
276        for B-Catechin
278 <400> SEQUENCE: 21
279 ctgatttgat ggagttggac                                        20
282 <210> SEQ ID NO: 22
283 <211> LENGTH: 20
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Description of the artificial sequence: primer as
289        for B-Catechin
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RAW SEQUENCE LISTING   DATE: 04/06/2006
PATENT APPLICATION: US/10/573,134   TIME: 13:41:43

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\04062006\J573134.raw

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295 <210> SEQ ID NO: 23
298 <211> LENGTH: 21
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of the artificial sequence: primer s1
304       for APC
306 <400> SEQUENCE: 23
307 ttgcagttat ggtcaatacc c                                        21
310 <210> SEQ ID NO: 24
311 <211> LENGTH: 25
312 <212> TYPE: DNA
313 <213> ORGANISM: Artificial sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Description of the artificial sequence: primer as1
317       for APC
319 <400> SEQUENCE: 24
320 gtgctctcag tataaacagg ataag                                    25
323 <210> SEQ ID NO: 25
324 <211> LENGTH: 20
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Description of the artificial sequence: primer s2
330       for APC
332 <400> SEQUENCE: 25
333 cctcaaaagg ctgccacttg                                          20
336 <210> SEQ ID NO: 26
337 <211> LENGTH: 23
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial sequence
341 <220> FEATURE:
342 <223> OTHER INFORMATION: Description of the artificial sequence: primer as2
343       for APC
345 <400> SEQUENCE: 26
348 ctgtgacact gctggaactt cgc                                      23
351 <210> SEQ ID NO: 27
352 <211> LENGTH: 25
353 <212> TYPE: DNA
354 <213> ORGANISM: Artificial sequence
356 <220> FEATURE:
357 <223> OTHER INFORMATION: Description of the artificial sequence: primer s3
358       for APC
360 <400> SEQUENCE: 27
361 agcaccctag aaccaaatcc agcag                                    25
364 <210> SEQ ID NO: 28
365 <211> LENGTH: 20
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VERIFICATION SUMMARY   DATE: 04/06/2006
PATENT APPLICATION: **US/10/573,134**   TIME: 13:41:44

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\04062006\J573134.raw**

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

Raw Sequence Listing before editing
(for reference only)

IFWP

RAW SEQUENCE LISTING   DATE: 04/04/2006
PATENT APPLICATION: **US/10/573,134**   TIME: 10:28:13

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\04042006\J573134.raw**

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   5 <110> APPLICANT: University Potsdam
   7 <120> TITLE OF INVENTION: Method for conducting non-invasive early detection of
   8        colon cancer and/or of colon cancer precursor cells
  10 <130> FILE REFERENCE: P198903PC
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/573,134
C--> 13 <141> CURRENT FILING DATE: 2006-03-23
  15 <150> PRIOR APPLICATION NUMBER: DE 103 45 021.1
  16 <151> PRIOR FILING DATE: 2003-09-23
  18 <160> NUMBER OF SEQ ID NOS: 36
  20 <170> SOFTWARE: PatentIn Ver. 3 1
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_pp 1-2_

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

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 472 <210> SEQ ID NO: 36
 473 <211> LENGTH: 20
 474 <212> TYPE: DNA
 475 <213> ORGANISM: Artificial sequence
 477 <220> FEATURE:
 478 <223> OTHER INFORMATION: Decription of the artifical sequence: Primer as
 479        for B-raf
 481 <400> SEQUENCE: 36
 482 gcattctgat gacttctggt                                          20
E--> 487 6
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SEQUENCE LISTING

<110> University Potsdam

replace with

<120> Method for conducting non-invasive early detection of colon cancer and/or of colon cancer precursor cells

<130> P198903PC

<150>
<157>

<140> PCT/DE2004/002161
<141> 2004-09-23

There are prior data.

3

VERIFICATION SUMMARY   DATE: 04/04/2006
PATENT APPLICATION: US/10/573,134   TIME: 10:28:14

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\04042006\J573134.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:487 M:254 E: No. of Bases conflict, this line has no nucleotides.

...